

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
26 April 2001 (26.04.2001)

PCT

(10) International Publication Number  
WO 01/29093 A1

(51) International Patent Classification<sup>2</sup>: C08F 2/50, G03F 7/029

(21) International Application Number: PCT/EP01/10043

(22) International Filing Date: 12 October 2000 (12.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 99810953.2 20 October 1999 (20.10.1999) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MN, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

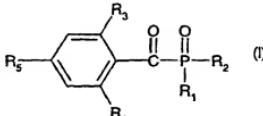
## Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guiding Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHOTINITIATOR FORMULATIONS

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C<sub>1</sub>-C<sub>12</sub>alkoxy or halogen; (b) a dispersant; and (c) water are suitable especially in the photopolymerisation of aqueous formulations comprising ethylenically unsaturated monomers.

(57) Abstract: Aqueous, storage-stable, non-sedimenting photoinitiator suspensions comprising (a) a mono- or bis-acylphosphine oxide of formula (1), wherein R<sub>1</sub> is C<sub>1</sub>-C<sub>20</sub>alkyl; C<sub>2</sub>-C<sub>20</sub>alkyl interrupted by one or more O atoms; C<sub>1</sub>-C<sub>12</sub>alkoxy; phenyl-C<sub>1</sub>-C<sub>20</sub>alkyl; or phenyl that is unsubstituted or substituted by C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy, halogen, cyclopentyl, cyclohexyl, C<sub>2</sub>-C<sub>12</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkyl interrupted by one or more O atoms, and/or by phenyl-C<sub>1</sub>-C<sub>20</sub>alkyl; or R<sub>1</sub> is biphenyl; R<sub>2</sub> is an aromatic radical or has one of the meanings given for R<sub>1</sub>; R<sub>3</sub> and R<sub>4</sub> are each independently of the other C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy or halogen; and R<sub>5</sub> is hydrogen, C<sub>1</sub>-C<sub>12</sub>alkyl,